



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Darrel R. Bloomquist et al. Examiner: Tuan T. Nguyen  
Serial No.: 10/080,847 Group Art Unit: 2824  
Filed: Feb. 2, 2002 Docket No.: 10013884-1  
Title: IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY STEPPED  
CONDUCTOR

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**RESPONSE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

This Response replies to the Office Action mailed December 3, 2003.

RECEIVED  
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IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Darrel R. Bloomquist et al.

Confirmation No.: 9645

Application No.: 10/080,847

Examiner: Tuan T. Nguyen

Filing Date: Feb. 2, 2002

Group Art Unit: 2824

Title: IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY STEPPED CONDUCTORS

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
(X) No additional fee (Address envelope to "Mail Stop Non-Fee Amendment")  
(X) Other: 3 return postcards (fee \$ )

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$18	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$86	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$290	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$420.00	3RD MONTH \$950.00	4TH MONTH \$1480.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

Date of Deposit: Feb. 2, 2004

Typed Name: Matthew B. McNutt

Signature: Matthew B. McNutt

Respectfully submitted,

Darrel R. Bloomquist et al.

By Matthew B. McNutt

Matthew B. McNutt

Attorney/Agent for Applicant(s)

Reg. No. 39,766

Date: Feb. 2, 2004